

# Regional High School to College Articulation Map

**Area of Study:** Trade & Technical Education

**Pathway:** Mechanics & Repairs

**National Career Cluster:** Heavy Duty Diesel

<u>Region</u> Southeast <u>Contact person</u> Geniva Brooks <u>e-mail</u> geniva.brooks@ceu.edu				<u>College / Institution</u> College of Eastern Utah <u>Articulation Agreement in place?</u> Yes * No <u>Degree or Certificate</u> Associate of Applied Science – Diesel Equipment Technology		
<u>High School</u>				<u>College</u>		
<u>Course #</u>	<u>High School Suggested Courses</u>	<u>H.S. Credit</u>	<u>College Credits</u>	<u>Course #</u>	<u>College General Education Requirements</u>	<u>Credits</u>
4162C	Introduction to Writing*^	.5	3 ➡	ENGL 1010	Introduction to Writing	3
4150C	Honors English 12*	.5	3 ➡			
4160C	Literature & Composition*	.5	3 ➡			
				MATH 1020	Trade Mathematics (or higher mathematics course)	3
					Human Relations Course	3
9952C	Computer Literacy*	.5	3 ➡	BCIS 1010	Computer Literacy	3
H.S.Total (General Ed.)And Other Available Credits			6	Total College General Education Credits		12
<u>Course CIP #</u>	<u>High School Career Pathway Courses (min. #? Required)</u>	<u>H.S. Credit</u>	<u>College Credits</u>	<u>Course #</u>	<u>College Major Course Requirements</u>	<u>Credits</u>
<u>Course#</u>	<u>Introductory Course: (preferred)</u>	<u>Credit</u>				
<u>Course#</u>	<u>Foundation Courses: (# ? credits required)</u>	<u>Credit</u>				
47.0605	Heavy Duty Mechanics/Diesel*	1	4 ➡	DSME 1000	Introduction to Transportation Technology	4
				DSME 1110	Diesel Engine Overhaul Theory	4
				DSME1130	Diesel Engine Overhaul Lab	4
47.0605	Heavy Duty Mechanics/Diesel*	1	5 ➡	DSME 1340	Electrical and Electronics Theory	5
			3 ➡	DSME 1360	Electrical and Electronics Lab	3
				DSME 2210	Advanced Diesel Engine Theory	5
				DSME 2230	Advanced Diesel Engine Lab	5
				DSME 2410	Heavy Duty Chassis and Power Train Theory	5
47.0605	Heavy Duty Mechanics/Diesel*	1	5 ➡	DSME 2430	Heavy Duty Chassis and Power Train Lab	5
			2 ➡	DSME 2440	Mobile Air Conditioning Theory	2

				DSME 2460	Mobile Air Conditioning Lab	1
				HYDR 1310	Fluid Power Theory	4
				HYDR 1330	Fluid Power Lab	3
				MACH 1140	Engine Machining Theory	2
				MACH 1160	Engine Machining Lab	2
				WELD 1010	Basic SMAW	3
<b><u>Course #</u></b>	<b><u>Elective Courses: (Min. # ? of credits required)</u></b>	<b><u>Credit</u></b>				
47.0604	Automotive Service Technology *	1		DSME 1000	Introduction to Transportation Technology (see above)	
47.0105	Electronics 1	1				
47.0606	Small Vehicle Technician	1				
	Student Internship (Critical Workplace Skills)	.5				
	<b><u>Additional Articulated Classes Below</u></b>					
<b>Total High School Career Pathway Credits</b>			<b>19</b>	<b>Total College Major Course Credits Required</b>		<b>57</b>
<b>TOTAL Potential College Credits Earned in High School</b>			<b>25</b>	<b>TOTAL College Credits Required for Major</b>		<b>69</b>

**Note:** This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering.

\*Concurrent

^Distance

Last update: 10/2006